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## CLAIMS:

1. An insecticidal or insect repellant composition including *Tasmannia stipitata* extract and an insecticidally effective oil selected from the group consisting of at least one petroleum oil, at least one vegetable oil, at least one fish oil and mixtures thereof.
2. An insecticidal or insect repellant composition as claimed in claim 1 wherein the *Tasmannia stipitata* extract is included in the composition in an amount of from about 0.01% to about 1.25% w/v, preferably 0.02% to 1.0% w/v, most preferably 0.03% to 0.125% w/v.
3. An insecticidal or insect repellant composition as claimed in claim 1 or claim 2 wherein the insecticidally effective oil is included in the composition in an amount of from about 0.25% to about 1.5% w/v, preferably 0.5% to 1.0% w/v.
4. An insecticidal or insect repellant composition as claimed in any one of claim 1 to 3 wherein the insecticidally effective oil is petroleum oil.
5. An insecticidal or insect repellant composition as claimed in any one of claims 1 to 3 wherein the insecticidally effective oil is vegetable oil.
6. An insecticidal or insect repellant composition as claimed in any one of claims 1 to 5 wherein the composition is an emulsion with water.
7. A method of controlling or killing insects comprising exposing an insect population to a composition including *Tasmannia stipitata* extract and an insecticidally effective oil selected from the group consisting of at least one petroleum oil, at least one vegetable oil, at least one fish oil and mixtures thereof.
8. A method as in claim 7 wherein the composition is applied to the insect population by spraying.
9. A method as in claim 7 or claim 8 wherein the insect population is resident on a plant or an animal.

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10. A method as in claim 9 wherein the insect population is resident on a plant.

5 11. A method as in claimed in any one of claims 7 to 10 wherein *Tasmannia stipitata* extract is included in the composition in an amount of from about 0.01% to about 1.25% w/v, preferably 0.02% to 1.0% w/v, most preferably 0.03% to 0.125% w/v.

10 12. A method as claimed in any one of claim 7 to 11 wherein the insecticidally effective oil is included in the composition in an amount of from about 0.25% to about 1.5% w/v, preferably 0.5% to 1.0% w/v.

15 13. A method as claimed in any one of claim 7 to 12 wherein the insecticidally effective oil is petroleum oil.

14. A method as claimed in any one of claims 7 to 12 wherein the insecticidally effective oil is vegetable oil.

20 15. A method as claimed in any one of claims 7 to 14 wherein the composition is an emulsion with water.

25 16. Use of *Tasmannia stipitata* extract to enhance the insecticidal activity of an oil selected from the group consisting of at least one petroleum oil, at least one vegetable oil, at least one fish oil and mixtures thereof.

30 17. The use of claim 16 wherein *Tasmannia stipitata* extract is included in the composition in an amount of from about 0.01% to about 1.25% w/v, preferably 0.02% to 1.0% w/v, most preferably 0.03% to 0.125% w/v.

18. The use of claim 16 or claim 17 wherein the insecticidally effective oil is included in the composition in an amount of from about 0.25% to about 1.5% w/v, preferably 0.5% to 1.0% w/v.

35 19. The use as claimed in any one of claim 16 to 18 wherein the insecticidally effective oil is petroleum oil.

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20. The use as claimed in any one of claims 16 to 18 wherein the insecticidally effective oil is vegetable oil.
- 5 21. The use as claimed in any one of claims 16 to 20 wherein the composition is an emulsion with water.
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FOOTNOTES